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AFT 84.1001

What is claimed is:

1. A Group III nitride semiconductor light-emitting element including an n-type contact layer of n-type GaN, an n-type clad layer of n-type  $\text{Al}_x\text{Ga}_{1-x-y}\text{In}_y\text{N}$  ( $0 < x < 1$ ,  $0 \leq y < 1$ ,  
5  $0 < x+y < 1$ ), an active layer, a p-type clad layer, and a p-type contact layer, comprising:  
a crack-preventing layer of n-type GaN provided between the n-type contact layer and the n-type clad layer,  
wherein the crack-preventing layer has a dopant  
10 concentration lower than that of the n-type contact layer.
2. The light-emitting element according to claim 1, wherein the crack-preventing layer has a dopant concentration lower than  $4 \times 10^{18} \text{ cm}^{-3}$ .
3. The light-emitting element according to claim 2,  
15 wherein the crack-preventing layer has a dopant concentration within a range of  $5 \times 10^{16} \text{ cm}^{-3}$  to  $5 \times 10^{17} \text{ cm}^{-3}$ .
4. The light-emitting element according to claim 1, wherein the n-type contact layer has a dopant concentration within a range of  $4 \times 10^{18} \text{ cm}^{-3}$  to  $2 \times 10^{19} \text{ cm}^{-3}$ .
- 20 5. The light-emitting element according to claim 1, wherein a dopant of the crack-preventing layer is either one of Si and Ge.
6. The light-emitting element according to claim 1, wherein a dopant of the n-type contact layer is either one  
25 of Si and Ge.
7. A method of manufacturing a semiconductor light-emitting element having a multilayered structure

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constituted by sequentially stacking layers of Group III nitride semiconductors one upon another on a substrate, the method comprising:

an n-type contact-layer forming step of forming an n-type contact layer of n-type GaN, and

a crack-preventing layer forming step of forming a crack-preventing layer of n-type GaN, the crack-preventing layer having a dopant concentration lower than that of the n-type contact layer.

10        8. The method according to claim 7, wherein the crack-preventing layer forming step includes a step of reducing an amount of supply of a dopant material used in the n-type contact-layer forming step.